

PLEASE NOTE -

* Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/183,174

** Copies not attached as previously submitted to or cited by the USPTO in grandparent application US 09/112,767

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/693,948
		Filing Date	10/28/03
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	AAJ H. DD
Sheet 1 of 8	Attorney Docket Number	ZG002US	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-5,697,144 *	12.16.1997	Mitani et al	
		US-5,719,604	02.17.1998	Inui et al *	
		US-5,666,141	09.09.1997	Matoba et al	
		US-4,672,398	06.09.1987	Kuwabara et al	
		US-4,737,802	04.12.1988	Mielke	
		US-5,029,805	07.09.1991	Albarda et al	
		US-5,258,774	11.02.1993	Rogers	
		US-4,553,393	11.19.1985	Ruoff	
		US-4,864,824	09.12.1989	Gabriel et al	
		US-4,423,401	12.27.1983	Mueller	
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
		EP 0 416 540 A2 *	13.03.1991	Usui et al	
		EP 1 057 637 *	12.06.2000	Canon KK	
		EP 1 057 639 *	12.06.2000	Canon KK	
		WO 00/48938 *	08.24.2000	Silverbrook	
		JP 4 04001051 A **	01.06.1992	Komai	
		EP 0 713 774 A2	05.29.1996	Sharp Kabushiki Kaisha	
		DE 195 16 997	11.16.1995	Sharp KK	
		DE 196 23 620 A1	12.19.1996	Sharp KK	
		JP 2 108544 (Abstract)	04.20.1990	Seiko Epson Corp	
		JP 2 92643 (Abstract)	04.03.1990	Seiko Epson Corp	

Examiner Signature		Date Considered	3/23/04
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Art Unit	2853
		Examiner Name	AN H. DO
Sheet 2 of 8	Attorney Docket Number	ZG002US	

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		Number - Kind Code* (if known)			
		US-			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP 4 353458 (Abstract)	12.08.1992	Brother Ind Ltd		
		JP 6 91865 (Abstract)	04.05.1994	Seikosha Co Ltd		
		JP 6 91866 (Abstract)	04.05.1994	Seikosha Co Ltd		
		JP 2 265752 (Abstract)	10.30.1990	Matsushita Electric Ind Co Ltd		
		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha		
		DE 195 32 913	03.28.1996	Sharp K.K.		
		JP 58 112747 (Abstract)	07.05.1983	Fujitsu KK		
		DE 43 28 433	03.02.1995	Heidleberger Druckmaschinen AG		
		JP 61 025849 (Abstract)	02.04.1986	Canon Inc		
		JP 01 128839 (Abstract)	05.22.1989	Ricoh Co Ltd		

Examiner Signature	<i>[Signature]</i>	Date Considered	3/23/04
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US 09/112,767
PTO/SB/08A (10-01)

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		Country Code ³ - Number ² - Kind Code ⁴ (if known)				
<i>JP</i>		JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp		
<i>GB</i>		GB 2 262 152	06.09.1993	Willett Int Ltd		
<i>DE</i>		DE 195 16 997	11.16.1995	Sharp K.K		
<i>JP</i>		JP 05 318724 (Abstract)	12.03.1993	Seikosha Co Ltd		
<i>JP</i>		JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp		
<i>DE</i>		DE 32 45 283	06.07.1984	Siemens AG		
<i>JP</i>		JP 04 368851 (Abstract)	12.21.1992	Seiko Epson Corp		
<i>JP</i>		JP 02 158348 (Abstract)	06.18.1990	Minolta Camera Co Ltd		
<i>JP</i>		JP 03 112662 (Abstract)	05.14.1991	Seiko Epson Corp		
<i>JP</i>		JP 03 653348 (Abstract)	03.20.1991	Matsushita Electric Ind Co		

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Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Application Number				10/693 948	
Filing Date				10/28/03	
First Named Inventor				Kia Silverbrook	
Art Unit				2853	
Examiner Name				AN H. DO	
Attorney Docket Number				ZG002US	

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		JP 01 257058	10.13.1989	Seiko Epson Corp	
		DE 195 17 969	11.30.1995	Sharp K.K	
		DE 196 39 717	04.17.1997	Sharp K.K	
		EP 0 737 580	10.16.1996	Canon K.K	
		EP 0 882 590	12.09.1998	Canon K.K	
		EP 0 478 956	04.08.1992	Kernforschungszt Karlsruhe GMBH	
		DE 1 648 322	03.24.1971	VDO Tachometerwerke GMBH	
		GB 1 428 239	03.17.1976	Cibie Projecteurs	
		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto	
		DE 29 05 063	08.14.1980	Olympia Werke AG	

Examiner Signature	<i>Anders</i>	Date Considered	3/23/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 5 of 8

Complete if Known

Application Number	10/693 948
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Filing Date	1/10/28/06
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First Named Inventor	Kia Silverbrook
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Art Unit	2853
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Examiner Name	AN H. DO
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Attorney Docket Number ZG002US

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Signature**

Date Considered

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<i>JP</i>		JP 03 180350	08.06.1991	Seiko Epson Corp		
<i>WO</i>		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University		
<i>JP</i>		JP 02 050841 (Abstract)	02.20.1990	Seiko Epson Corp		
<i>EP</i>		EP 0 510 648	10.28.1992	Ivri Yehuda		
<i>JP</i>		JP 05 28765 (Abstract)	10.29.1993	Canon Inc		
<i>JP</i>		JP 04 141429 (Abstract)	05.14.1992	Seiko Epson Corp		
<i>JP</i>		JP 01 105746 (Abstract)	04.24.1989	Ricoh Co. Ltd		
<i>GB</i>		GB 792 145	03.19.1958	Technograph Printed Circuits Ltd		
<i>EP</i>		EP 0 750 993	01.02.1997	Canon K.K		

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				Attorney Docket Number	ZG002US
Sheet	7	of	8		

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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		Derwent Abstract Accession No. 2000-405730/35, Class P75;T04, JP 2000141656 A (Ricoh KK) May 23, 2000 *	
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier Sequoia S.A., Lausanne, Vol 55, no: 1, 15-July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
		ATAKA, MANABU et al, "Fabrication and Operation of Polymide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc, New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
		YAMAGATA, YUTAKA et al, "A Micro-Mobile-Mechanism-Using-Thermal-Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.	

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